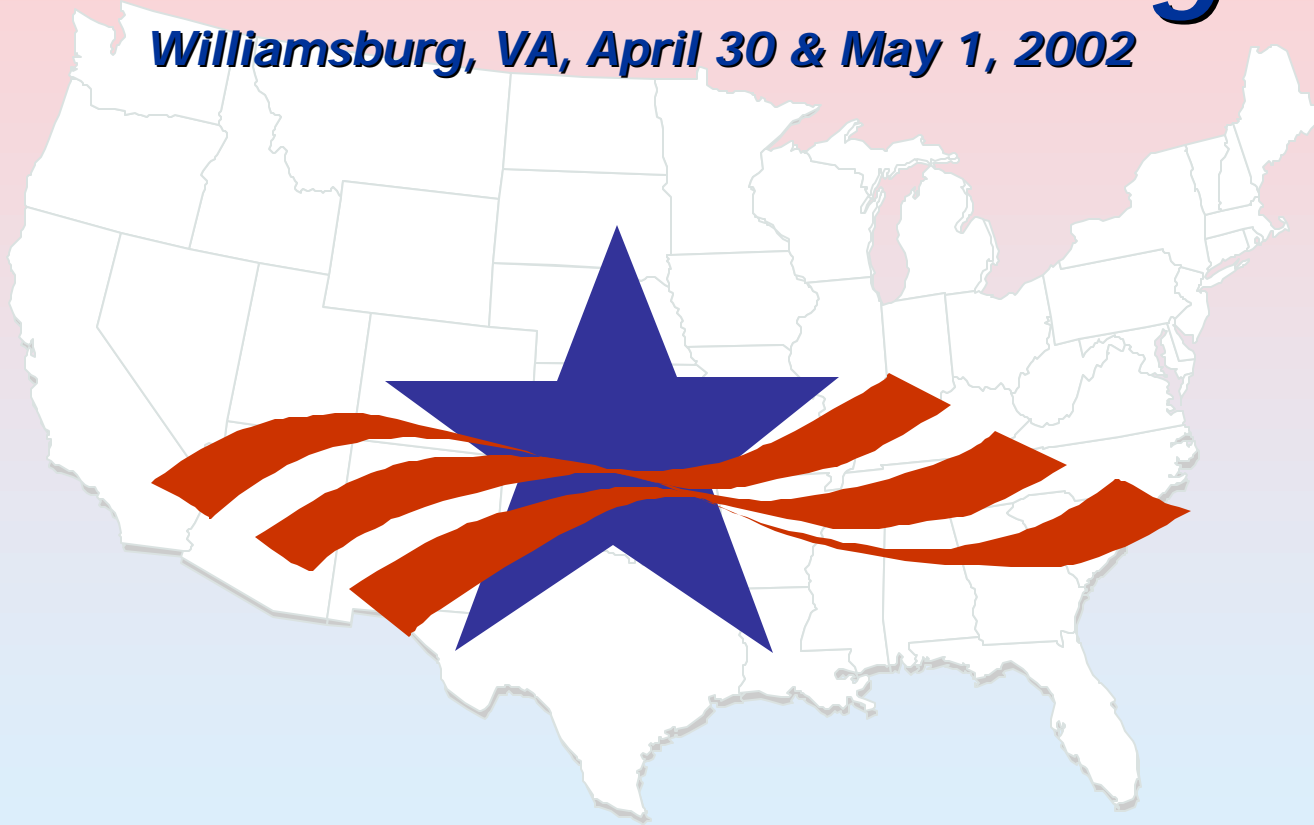


12th Annual DoD LLRW Generators Meeting

Williamsburg, VA, April 30 & May 1, 2002



American Ecology Corporation

Introduction



- **Steve Welling, American Ecology
National Sales & Marketing Director
E-Mail: swelling@americanecology.com
(916) 939-0967 • Fax (916) 939-1490**
- **Tim Curtin, US Ecology Idaho Eastern Sales Director
E-Mail: tcurtin16@aol.com
(973) 694-7525 • Fax (973) 694-2250**

Trusted for Half a Century



- **50 Years Serving Industry & Government**
- **Broadest Service Offering in the Industry**
 - **RCRA/TSCA hazardous & PCB waste**
 - **Low-level radioactive waste**
 - **NORM & mixed waste**
 - **Integrated transportation & field services**
- **Superbly Qualified for Radioactive Materials Management**
 - **Highly experienced Certified Health Physicists**
 - **16 decades of combined experience**

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2001 Financial

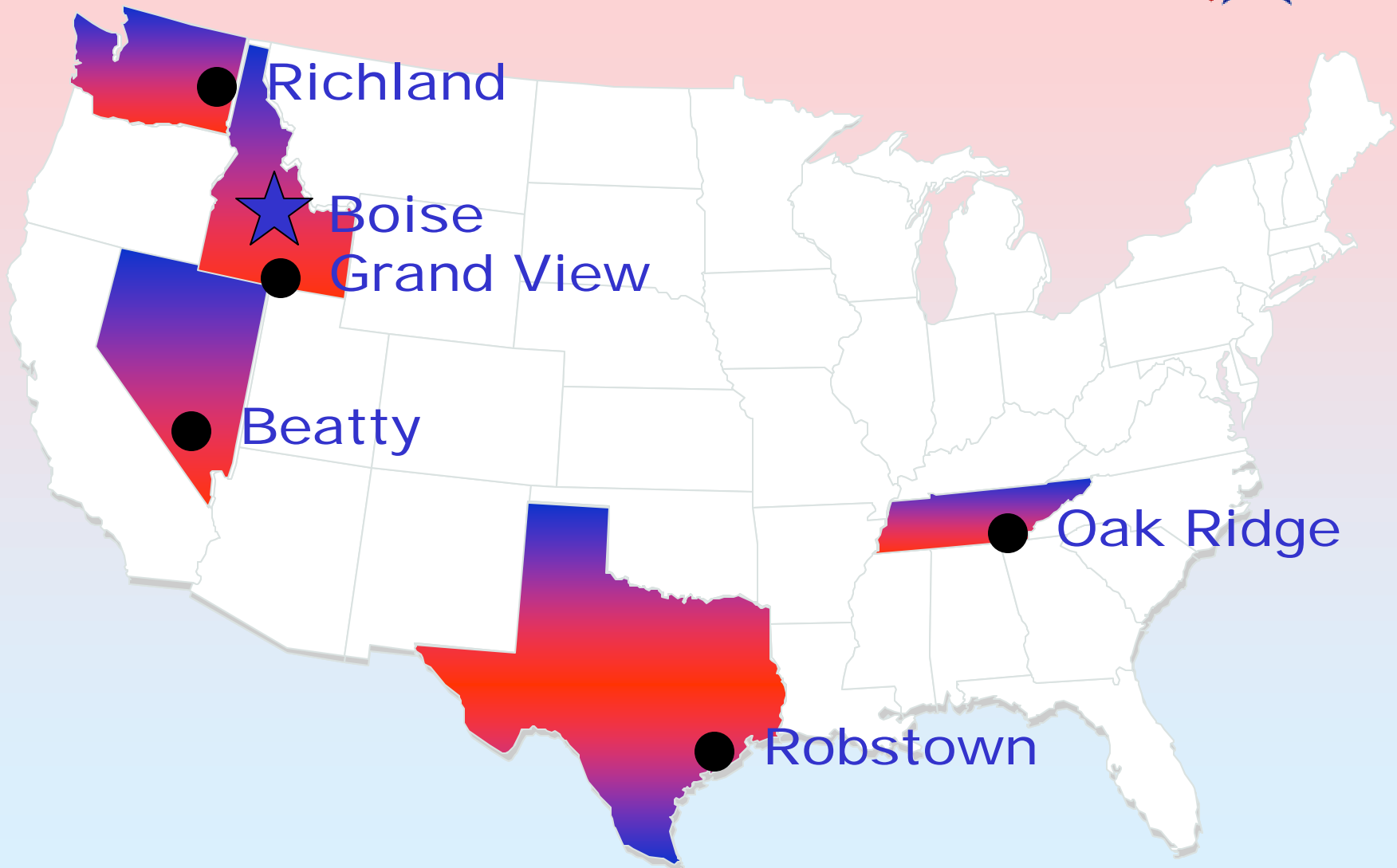


- **Company profitable in 2001, projects solid earnings in 2002**
- **\$56 million revenue in 2001, a 33% increase over 2000**
- **New management team focusing on core waste processing & disposal business**
- **Transportation & Field Services expanding to offer customers “turn-key” solutions**

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Operating Locations



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US Ecology Idaho



- **Former Envirosafe facility fully integrated**
- **Treatment, storage & disposal**
 - **RCRA, TSCA**
 - **NORM / NRC Exempt**
 - **Mixed waste**
- **2001 regulation and permit changes expand radioactive waste acceptance criteria**



Army Corps of Engineers FUSRAP Contract Work



★
McClellan AFB, CA

Chicago, IL
★
★
Madison, IL

Tonawanda &
Colonie, NY
★

Wayne, Middlesex,
Camden & Glen
Ridge, NJ
★

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US Ecology Idaho



- **High throughput rail station**
- **On main Union Pacific line**
- **Gondola, intermodal & hopper car service.**



US Ecology Idaho



Radioactive Waste Acceptance Criteria:

- Unimportant quantities of source material ($< 0.05\%$ by weight), maximum nuclide concentrations < 2000 pCi/g.
- NORM & TENORM in maximum nuclide concentrations < 2000 pCi/g.
- Accelerator produced radioactive material meeting Type A DOT limits in metal packaging, surface dose rate < 10 millirem/ hour.
- Listed devices, items and other sources of radiation exempted from regulation by NRC in 10 CFR Parts 30 & 40

Full criteria available on handout

Texas Ecologists



- **RCRA
waste
treatment
& disposal**
- **NORM /
NRC-
exempt
waste**



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Texas Ecologists



NORM / NRC Exempt Waste Acceptance Criteria:

- **Unimportant quantities of source material ($< 0.05\%$ by weight).**
- **Radium 226 and 228 at concentrations < 30 pCi/g each.**
- **Other NORM in concentrations < 150 pCi/g.**
- **Listed devices, items and other sources of radiation specifically exempted from regulation by the NRC in 10CFR Parts 30 & 40.**

US Ecology Nevada



- **RCRA / PCB treatment, storage & disposal**
- **Excellent geologic setting.**



US Ecology Washington



- Serves Northwest and Rocky Mountain compacts for Class A, B & C LLRW
- Eligible for DOE waste from WA & ID
- Disposed of Ft. Greely waste for Army Corps of Engineers in 1st quarter 2002



US Ecology Washington



- **Accepts high concentration NORM / NARM waste from ALL states**



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US Ecology Washington



NORM / NARM Waste Acceptance Criteria:

- **Class A radium-226 (10 nCi/g or less) in approved packages.**
- **Class C, stable radium-226 > 10 nCi/g, in approved packages. Sealed sources of radium-226 acceptable.**
- **NRC-exempt wastes in approved packages.**

US Ecology Oak Ridge



- **Nuclear Materials Management Center LLRW Materials Volume Reduction and Survey for Free Release**



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Nuclear Materials Management Center



- **“Simple” volume reduction (bulk survey for release, metals consolidation, supercompaction) maximizes throughput rates**



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Transportation Services



- **24 hour tracking**
- **Experienced professionals**
- **Move by rail, truck, barge or ship**



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Field Services



- **“Cradle-to-grave” service by highly trained staff**
- **Soil & debris removal, building D&D**
- **Experienced nationwide**



Major Field Services Contracts



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Field Services: M4



- **Client: State of Tennessee**
- **Decontamination, decommissioning & license termination for M-4 facility in Oak Ridge**
- **Disposed of 1.2 million pounds of waste**



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Field Services: British Nuclear Fuels



- **MSC Oak Ridge facility decontamination & decommissioning contract**
- **Large component removal**
- **Work underway**



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Field Services: Gulf Nuclear



- **EPA Emergency Response for the Homeland Defense effort**
- **3.8 million lbs. Of waste containing Radium 226, Uranium 235, and Plutonium 238**
- **Disposal volume reduced by 80% using Digidart Gamma Spectrum technology**

Houston, TX



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Field Services: Ameristeel



- Full service decontamination, transportation and disposal
- Cesium contamination of Electric-Arc Furnace Dust (K061), mixed waste
- Waste classification, manifesting, loading and shipment

Baldwin, FL



Conclusions



- **Nationally unique mix of permits & facilities**
- **50 years experience with hazardous & radioactive waste management**
- **“Turnkey” transportation & field services also available**
- **We take pride in customer service.**

